

I CLAIM:

1. A package comprising:  
an enclosure;  
a first substance within said enclosure;  
a second substance within said enclosure; and  
a plastic zipper segregating said first substance from said second substance, wherein opening said plastic zipper allows mixing of said first substance with said second substance inside said enclosure.
2. The package of claim 1 wherein at least a portion of said enclosure is gas-permeable.
3. The package of claim 1 wherein said first substance is a solid and said second substance is a solid.
4. The package of claim 1 wherein a portion of said enclosure is transparent.
5. The package of claim 1 said enclosure is formed of a first layer and a second layer.
6. The package of claim 5 wherein said first and second layers each include a perimeter, said perimeter of said first layer being sealed to said perimeter of said second layer to form said enclosure.
7. The package of claim 5 further comprising a first tab attached to an outer surface of said first layer and a second tab attached to an outer surface of said second layer.
8. The package of claim 7 wherein said first tab and said second tab are adjacent said plastic zipper.

9. The package of claim 1 wherein said plastic zipper segregates said enclosure into two compartments that are of equal size.
10. The package of claim 1 further comprising an adhesive on an outer surface of said enclosure to secure the package to an object.
11. The package of claim 10 further comprising a cover detachably mounted on said adhesive such that removing said cover exposes said adhesive.
12. A package comprising:
  - a gas-permeable enclosure;
  - a first solid substance within said gas-permeable enclosure;
  - a second solid substance within said gas-permeable enclosure; and
  - a mechanism segregating said first solid substance from said solid second substance, wherein opening said mechanism allows mixing of said first solid substance with said second solid substance inside said gas-permeable enclosure.
13. The package of claim 12 wherein said gas-permeable enclosure is a film having apertures.
14. The package of claim 12 wherein said first solid substance includes ferric chloride impregnated into zeolite particles and said solid second substance includes sodium chlorite impregnated into zeolite particles.
15. The package of claim 12 wherein said first solid substance and said second solid substance produce a gas when mixed together.
16. The package of claim 12 wherein said mechanism is a plastic zipper.
17. The package of claim 12 wherein said enclosure is formed of a first layer and a second layer, and the package further comprises:
  - a first tab attached to an outer surface of said first layer; and
  - a second tab attached to an outer surface of said second layer.

18. A method of mixing substances within a package, the method comprising:  
segregating a first substance from a second substance, the first substance and the second substance both being inside of an enclosure;  
opening a plastic zipper that segregates the first substance from the second substance; and  
mixing the first substance with the second substance inside the enclosure.
19. The method of claim 18 wherein mixing the first substance with the second substance inside the enclosure includes mixing a first solid substance with a second solid substance.
20. The method of claim 18 further comprising forming the enclosure by attaching a first layer to a second layer.
21. The method of claim 20 wherein forming the enclosure by attaching a first layer to a second layer includes sealing a perimeter of the first layer to a perimeter of the second layer.
22. The method of claim 20 wherein opening a plastic zipper that segregates the first substance from the second substance includes pulling a first tab that is mounted on an outer surface of the first layer away from a second tab that is mounted on an outer surface of the second layer.
23. The method of claim 18 wherein mixing the first substance with the second substance inside the enclosure includes mixing substantially the same amount of the first substance and the second substance.
24. A method of mixing substances within a package, the method comprising:  
segregating a first solid substance from a second solid substance, the first solid substance and the second solid substance both being inside of a gas-permeable enclosure;

opening a mechanism that segregates the first solid substance from the second solid substance; and

mixing the first solid substance with the second solid substance inside the gas-permeable enclosure.

25. The method of claim 24 wherein mixing a first solid substance with a second solid substance includes mixing ferric chloride with sodium chlorite.

26. The method of claim 24 wherein mixing a first solid substance with a second solid substance produces a gas.

27. The method of claim 26 further comprising permeating the gas through the gas-permeable enclosure.

28. The method of claim 24 further comprising forming the enclosure by sealing a perimeter of a first layer to a perimeter of a second layer.

29. The method of claim 24 further comprising adhering the enclosure to an object.

30. The method of claim 29 wherein adhering the enclosure to an object includes removing a cover from an adhesive layer on an outer surface of the enclosure.

31. A package comprising:

a gas-permeable enclosure;

a first solid substance within said enclosure;

a second solid substance within said enclosure; and

a plastic zipper segregating said first solid substance from said solid second substance, wherein opening said plastic zipper allows mixing of said first solid substance with said second solid substance inside said enclosure, wherein

said first solid substance and said second solid substance produce a gas when mixed together that permeates through said gas-permeable enclosure.

32. The package of claim 31 wherein said gas-permeable enclosure is a film having apertures.

33. The package of claim 31 wherein said first solid substance includes ferric chloride and said solid second substance includes sodium chlorite.

34. The package of claim 31 wherein said enclosure is formed of a first layer and a second layer, and the package further comprises:

- a first tab attached to an outer surface of said first layer; and
- a second tab attached to an outer surface of said second layer.

35. The package of claim 31 further comprising:

- an adhesive on an outer surface of said enclosure; and
- a cover detachably mounted on said adhesive such that removing said cover exposes the adhesive allowing the package to be secured to an object.

36. A method comprising:

- segregating a first solid substance from a second solid substance, the first solid substance and the second solid substance both being inside of a gas-permeable enclosure;

- opening a plastic zipper that segregates the first solid substance from the second solid substance;

- mixing the first solid substance with the second solid substance inside the gas-permeable enclosure to produce a gas; and

- permeating the gas through the enclosure.

37. The method of claim 36 further comprising forming the enclosure by sealing a perimeter of a first layer to a perimeter of a second layer.

38. The method of claim 37 wherein opening a plastic zipper that segregates the first solid substance from the second solid substance includes pulling a first tab that is mounted on an outer surface of the first layer away from a second tab that is mounted on an outer surface of the second layer.

39. The method of claim 36 further comprising removing a cover from an adhesive layer on an outer surface of the enclosure and adhering the enclosure to an object.